CLOSED
RICHLAND COUNTY LANDFILL - SIDNEY
LICENSE NUMBER 102

RICHLAND AND MCCONE COUNTY HEALTH DEPARTMENT

DRAFT - DATA SUMMARY

FEBRUARY 2001

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 6

RECEIVED 2/6/2001

CLOSED
RICHLAND COUNTY LANDFILL - SIDNEY
LICENSE NUMBER 102

RICHLAND AND MCCONE COUNTY HEALTH DEPARTMENT

NOVEMBER 2000 SAMPLING

FEBRUARY 2001

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 6

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RICHLAND COUNTY LANDFILL - SIDNEY
LICENSE NUMBER 102

RICHLAND AND MCCONE COUNTY HEALTH DEPARTMENT

MAY 2000 SAMPLING

AUGUST 2000

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 6

RECEIVED 8/29/2000

CLOSED
RICHLAND COUNTY LANDFILL - SIDNEY
LICENSE NUMBER 102

RICHLAND AND MCCONE COUNTY HEALTH DEPARTMENT

DRAFT DATA SUMMARY

JANUARY 2000

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 6

RECEIVED 1/7/2000

CLOSED
RICHLAND COUNTY LANDFILL - SIDNEY
LICENSE NUMBER 102

RICHLAND AND MCCONE COUNTY HEALTH DEPARTMENT

SEPTEMBER 1999 SAMPLING

JANUARY 2000

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 6

RECEIVED 1/7/2000

CLOSED
RICHLAND COUNTY LANDFILL - SIDNEY
LICENSE NUMBER 102

RICHLAND AND MCCONE COUNTY HEALTH DEPARTMENT

MAY 1999 SAMPLING

AUGUST 1999

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 6

RECEIVED 8/20/1999

DEPARTMENT OF ENVIRONMENTAL QUALITY
PERMITTING & COMPLIANCE DIVISION
Community Services Bureau
Waste Management Section
MARC RACICOT, GOVERNOR
STATE OF MONTANA

Phone: (406)444-4400
Fax: (406)444-1374

Metcalf Building
1520 E Sixth Ave
PO Box 200901
Helena, MT 59620-0901

May 24, 1999

Kelly Logan, R.S.
Richland County Sanitarian
221 Fifth Street SW
Sidney, Montana 59270

RE: SIDNEY CLASS II (CLOSED), RICHLAND COUNTY - LICENSE NO.102
GROUND WATER MONITORING - REDUCED SAMPLING REQUEST

Dear Mr. Logan:

Per our telephone conversation on May 19, 1999, and as I originally stated, I am unable to approve your request to eliminate volatile organic compound (VOC) sampling and analysis at the northern spring sampling location (i.e., S-3) for the following reasons:

1. The spring (S-3) is approximately one mile north of the landfill property boundary, and there are no monitoring wells or points between this spring and the known contamination plume on the north side (e.g., SL-4);

2. In SL-4, the impacted monitoring well which is located approximately 300 feet north of the northern waste/original property boundary, concentrations of tetrachloroethene have been steadily increasing, nearly tripling from 1997 to 1998, from 13 to 34 µg/L;

3. The spring (S-3) has been the only clean hydraulically downgradient sampling location north of this facility, at least as of the last sampling event in December, 1998; and

4. Specific conductance and chloride concentrations alone, and/or including some additional site specific inorganic parameters may not be used as reliable indicator parameters because indicator parameter anomalies do not necessarily or consistently coincide with an initial VOC detection in originally unimpacted/clean ground water.

To date, the Program has agreed to accept sampling data from the northern spring (S-3) in leu of having an approved ground water monitoring well location(s), being fully aware that:

1. Volatilization is a problem at most surface water sampling points. Therefore, it is reasonable to assume a VOC detection in a sample collected from this spring location would probably be of a significantly high concentration so as not to have volatilized at the surface. Using appropriate sample collection methods for a spring should increase the validity of the data and make it possible to get a reasonably representative sample of the spring. One such method would involve installing a short piece of PVC into the spring for a collection point where a sample may be collected below the surface of the water.

2. The old Sidney (closed) Class II Landfill has not implemented any corrective measure(s) to clean up the VOC contamination detected as noted in August 1991 in the ground water at this facility. In September 1996, the Program received the required corrective measures assessment report for this facility.

According to ARM 17.50.710(4)(a)(i), a facility in ground water corrective measures is required to characterize the nature and the extent of the release/plume by installing additional monitoring wells as necessary. To define the extent of the plume, additional downgradient well(s) are necessary between the impacted well, SL-4 and the spring (S-3), which in the future may have to be replaced by a monitoring well installation for more accurate water quality data collection.

I appreciate the fact that you are trying to save the County money at this old facility. Eliminating VOC sampling and analysis at the northern spring (S-3) at this point in time, is not one of the ways, unless the County is prepared to install some additional monitoring wells or at least one well. If you have any questions about any sampling locations, protocol, procedures, and/or the application of the rules according to the Administrative Rules of Montana (ARM), please give me a call.

Sincerely,

Pat Potts
Environmental Specialist - Solid Waste Regulatory Program

cc: Richland County Commissioners, 201 West Main, Sidney, MT 59270-4087
Mayor, City of Sidney, 115 2nd Street SE, Sidney, MT 59270
Richland County Solid Waste District, 2149 W. Holly, Sidney, MT 59270

F:\CB5652\WP\SW\RICHLAND\OLDSID.REQ

INITIALS [illegible] DATE 5/24/99

SOLID WASTE OUTGOING CORRESPONDENCE ROUTE SLIP (ONLY)

☐ **NEW APPLICATION** — Initial / Date
- Rick T. _____
- Pat C. _____
- Nancy (Proof) _____
- Cathy _____
- Jon D. _____

☐ **NEW LICENSE** — Initial / Date
- Rick T. _____
- Pat C. _____
- Nancy (Proof) _____
- Carol _____
- Cathy _____
- Jon D. _____

☐ **HEALTH OFFICER CARD** — Initial / Date
- Rick T. _____
- Carol _____
- Cathy _____
- _____ _____

☐ **INSPECTIONS** — Initial / Date
- Pat C. _____
- Nancy (Proof) _____
- Carol _____
- Jon D. _____

☐ **INTERIM CLOSURES** — Initial / Date
- Rick T. _____
- Pat C. _____
- Nancy (Proof) _____
- Carol _____
- Cathy _____
- Jon D. _____

☐ **CLOSURES** — Initial / Date
- Rick T. _____
- Pat C. _____
- Nancy (Proof) _____
- Carol _____
- Cathy _____
- Jon D. _____

☐ **CHANGE IN LICENSE FOR FEE STATUS** — Initial / Date
- Rick T. _____
- Pat C. _____
- Nancy (Proof) _____
- Cathy _____

☐ **COMPLAINTS** — Initial / Date
- Pat C. _____
- Nancy (Proof) _____
- Carol (filing & DBase) _____

☐ **GROUND WATER** — Initial / Date
- ~~Nancy (Proof)~~ CH 5-24
- Pat C ~~PC~~ — 5/24/99
- Rick T. Rick T 5/24/99

☐ **GENERAL CORRESPONDENCE** — Initial / Date
- Pat C. / Rick T. _____
- Nancy (Proof) _____
- Jon D. (As Needed) _____
- Mark Steger Smith (As Needed) _____

☐ **MISCELLANEOUS** — Initial / Date
- _____ MAILED
- _____ 5/25/99
- _____ _____
- _____ _____

☐ **FILE** _____

sw\Richland Co\oldside.req

F:\USR\CB5453\WP\FORMS\ROUTE.SW

old Sidney (inactive) grd wtr (corresp)